UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 4
ATLANTA FEDERAL CENTER
61 FORSYTH STREET, S.W.
ATLANTA, GEORGIA 30303-8960

January 25, 2018

Reeves Temple AMEZ Church
c/o Ms. Castella Conner
P.O. Box 701
Davidson, North Carolina 28036

SUBJ: EPA Asbestos Removal at 320 Sloan Street

Dear Ms. Conner:

Enclosed, you will find the Removal Action Status Report for the property located at 320 Sloan Street in Davidson, North Carolina. The report summarizes information regarding the original asbestos sampling, a description of the Removal Action conducted on the property, a summary of multimedia sampling results, details on the restoration of the property and the timeframe of the Removal Action. We have also included a figure of the removal area and the air sampling locations, a table of the air sampling results and photographs of the removal activities.

The removal activities have been completed and there are no further actions needed on the above-mentioned property. If you have any questions or need further information, please do not hesitate to contact Jordan Garrard, US EPA, Federal On-Scene Coordinator directly at (678) 644-8648, via email: garrard.jordan@epa.gov or myself directly at (678) 575-8132, via email: miller.angela@epa.gov, at any time.

It was such a pleasure working with you and your community. Thank you for your cooperation and patience throughout the removal activities.

Sincerely,

Angela R. Miller, US EPA
Community Involvement Coordinator

Enclosure(s)

cc: Jordan Garrard, US EPA, Federal On-Scene Coordinator
Miguel Alvalle, NC DEQ

REMOVAL ACTION STATUS REPORT
DAVIDSON ASBESTOS

Property Address: 320 Sloan Street Street, Davidson, Mecklenburg County, North Carolina

Original Asbestos Sampling Information: Surface soil samples were collected at a depth of 0 to 3 inches below ground surface (bgs) and subsurface soil samples were collected at a depth of 3 to 6 inches bgs. Analytical results indicated there was no asbestos detected. No asbestos was detected in analytical samples collected at the property; however, suspected asbestos-containing material (ACM) was observed on the property.

Property Address	Area Sampled	Surface Soil Results (percent asbestos) 0-3 inches deep	Subsurface Soil Results (percent asbestos) 3-6 inches deep
320 Sloan Street	Around House	No Asbestos Detected	No Asbestos Detected

Description of Removal Action: The soil was excavated to an approximate maximum depth of 12 inches in the northwest portion of the front yard along Sloan Street (see Appendix 1). Visual inspections of the excavated areas for asbestos-containing materials (ACM) were conducted by a State of North Carolina-accredited asbestos inspector and air monitor. ACM was not visibly present in the excavated area and restoration activities were allowed to commence.

Summary of Multimedia Sampling Results: Perimeter air sampling was conducted at two stationary locations during removal activities from June 14 through June 15, 2017. Air sampling was conducted daily at these locations based on wind direction and removal activities. The analytical results were less than the limit of detection and ranged from less than 0.0006 fibers per cubic centimeter (f/cc) to less than 0.0016 f/cc (see Appendix 2). A 5-point composite soil sample was collected from the excavated areas prior to restoration activities and the analytical result detected a trace amount of chrysotile asbestos.

Perimeter air and composite soil samples were conducted by a State of North Carolina-accredited air monitor with oversight from a State of North Carolina-accredited supervising air monitor (SAM).

Restoration of Property: Restoration work included the installation of snow fencing on top of the subsurface of the excavated area, backfill, top soil, and sod in the excavated lawn area. The area was restored to the original height of the surrounding area.

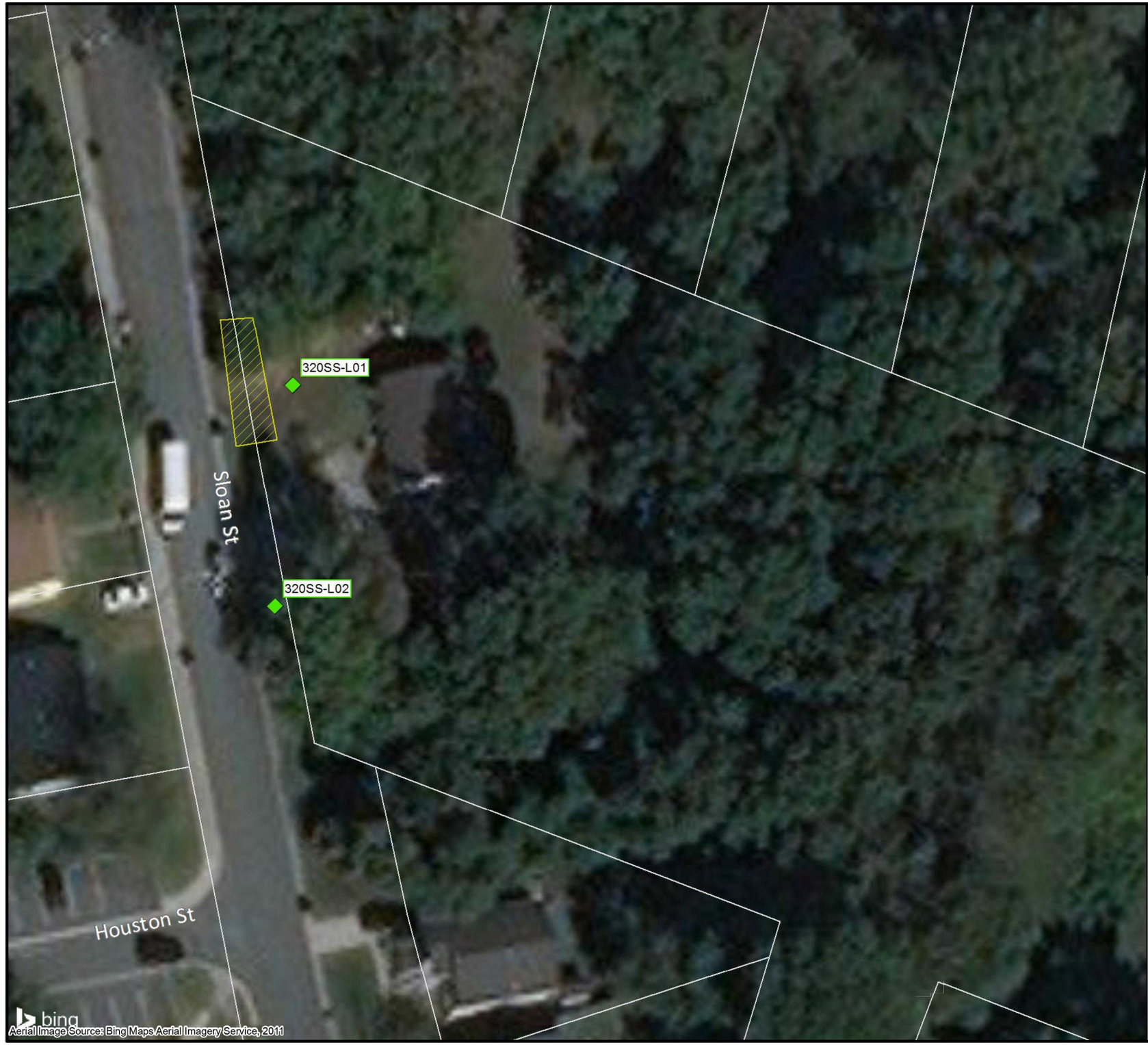
Time Frame of Removal Action: Removal activities began and were completed on June 15, 2017.

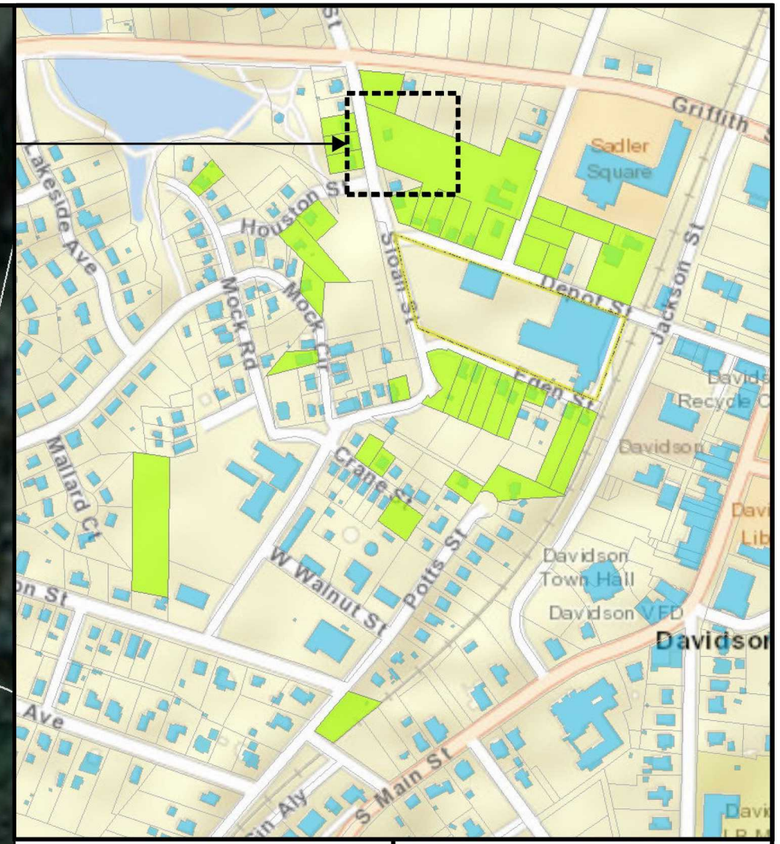
Appendices to this report include:
1. Figure of removal area and air sampling locations
2. Table of air sampling results
3. Photographic log of removal activities

APPENDIX 1

FIGURE

(One Page)





Legend

- Air Sample
- Removal Area
- Parcel Boundary
- Approximate Site Boundary

Inset Map

- *Parcels with Removal Activities*
- Building/Structure

320 Sloan Street

N
W E
S

0 25 50
Feet

Map Sources:
Aerial Imagery, Bing Maps, 2012-2014;
Parcels, http://maps.co.mecklenburg.nc.us

United States Environmental Protection Agency Region 4

FIGURE 1

Removal Areas and
Air Sampling Locations

TDD Name: Davidson Asbestos

TDD No.: TT-01-071

City: Davidson **County:** Mecklenburg **State:** North Carolina

TETRA TECH

Date: 9/21/2017

Analyst: dale.vonbusch

File: C:\TT-01-071_Davidson_Asbestos\mxd\acm_working_mapbook_v3.mxd

APPENDIX 2

SUMMARY TABLE OF ANALYTICAL RESULTS

(One Page)

TABLE 1
TRANSMISSION ELECTRON MICROSCOPY RESULTS
DAVIDSON ASBESTOS
DAVIDSON, MECKLENBURG COUNTY, NORTH CAROLINA

Sample Id	Location	T	Pump No.	Time Start	Time Stop	Total (Min)	Pump Flow Rate (lpm)			Total Sample Volume (l)	PCM Results (f/cc)	Asbestos Fibers Detected	TEM Results in PCME (f/cc)
							Initial	Final	Average				
DA-320SS-AA-L01-061417	320 Sloan Street - Location 1	AA	G4	8:20	15:28	428	11.26	11.28	11.27	4823.6	0.00061	0	<0.00031
DA-320SS-AA-L01-061517	320 Sloan Street - Location 1	AA	G6	7:51	13:52	361	11.47	11.01	11.24	4057.6	0.0018	0	<0.0006
DA-320SS-AA-L02-061517	320 Sloan Street - Location 2	AA	G1	7:53	13:55	362	11.54	11.12	11.33	4101.5	0.0016	0	<0.0016

Notes:

<: Less than
AA: Area air sampling
DA: Davidson Asbestos
f/cc: Fibers per cubic centimeter
Id: Identification
l: Liters
lpm: Liters per minute
Min: Minutes
PCM: Phase contrast microscopy
PCME: Phase contrast microscopy equivalent
SS: Sloan Street
TEM: Transmission electron microscopy

APPENDIX 3

PHOTOGRAPHIC LOG

(Four Pages)

OFFICIAL PHOTOGRAPH NO. 1
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TT-01-071	**Location:**	Davidson Asbestos
Orientation:	Southeast	**Date:**	June 15, 2017
Photographer:	Paul Prys, Tetra Tech, Inc. (Tetra Tech)	**Witness:**	None

Subject: The Emergency and Rapid Response Services (ERRS) contractor, Environmental Restoration, LLC (ER), used an excavator and hand tools to remove asbestos-containing materials (ACM) and asbestos-contaminated soil from the property located at 320 Sloan Street. ER used hoses to wet the asbestos-contaminated soil and placed plastic sheeting under the dump trucks to prevent asbestos-contaminated soil from falling onto the sidewalk and the road during removal activities.

OFFICIAL PHOTOGRAPH NO. 2
U.S. ENVIRONMENTAL PROTECTION AGENCY

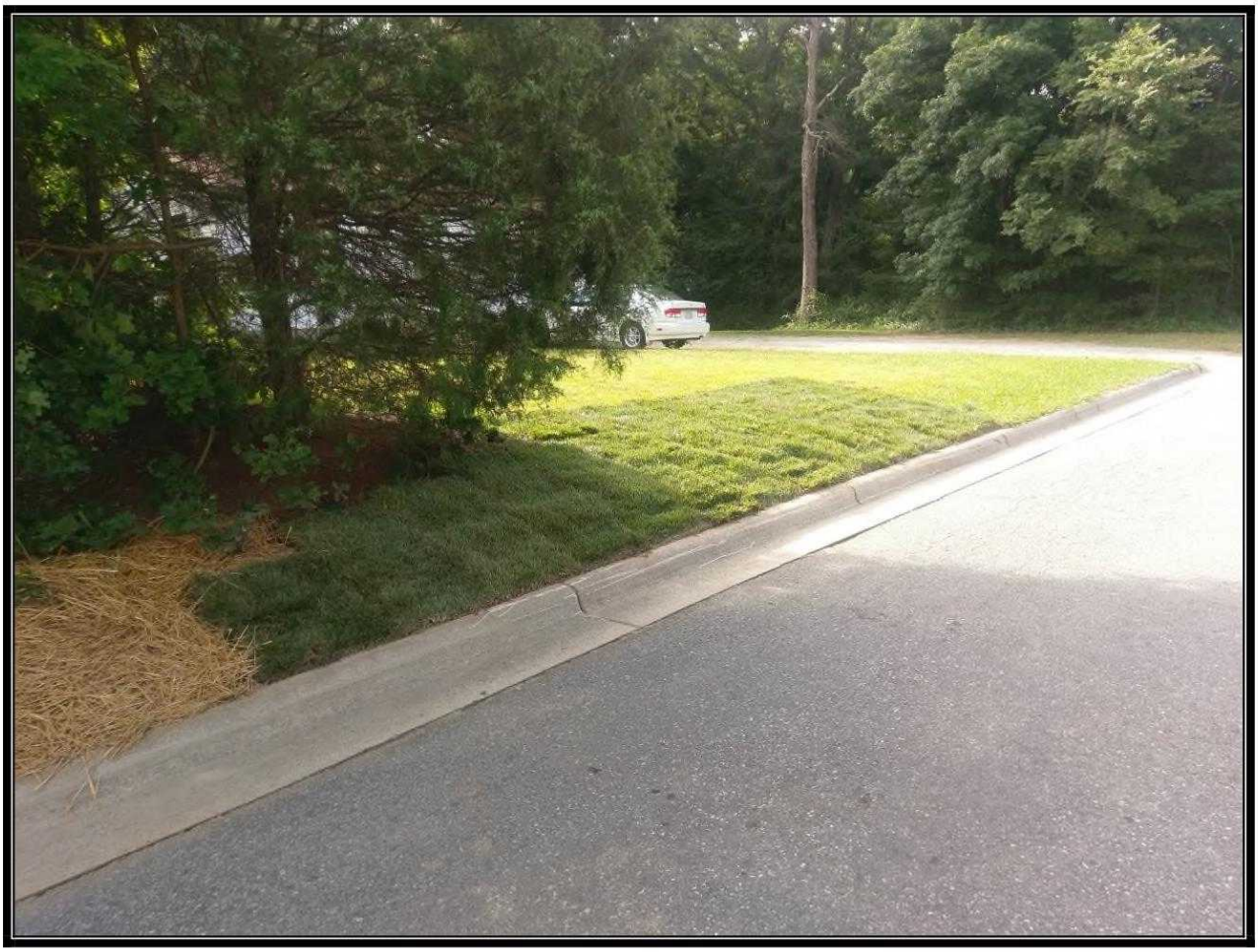
TDD Number:	TT-01-071	**Location:**	Davidson Asbestos
Orientation:	Northwest	**Date:**	June 15, 2017
Photographer:	Paul Prys, Tetra Tech	**Witness:**	None

Subject: Perimeter air sampling was conducted by a Tetra Tech Superfund Technical Assessment and Response Team (START), State of North Carolina-accredited air monitor, to evaluate the effectiveness of engineering and safety controls in preventing the off-site migration of asbestos fibers during removal activities.

OFFICIAL PHOTOGRAPH NO. 3
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TT-01-071	**Location:**	Davidson Asbestos
Orientation:	North	**Date:**	June 15, 2017
Photographer:	Paul Prys, Tetra Tech	**Witness:**	None

Subject: ER installed snow fencing along the subsurface of the excavated area after the visual inspection conducted by Tetra Tech START, State of North Carolina-accredited asbestos inspector and air monitor, detected no visible ACM in the excavated area.



OFFICIAL PHOTOGRAPH NO. 4
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TT-01-071	**Location:**	Davidson Asbestos
Orientation:	Southeast	**Date:**	June 16, 2017
Photographer:	Paul Prys, Tetra Tech	**Witness:**	None
Subject:	ER installed sod in the excavated areas after backfill and top soil were in place.		